Figure 1.

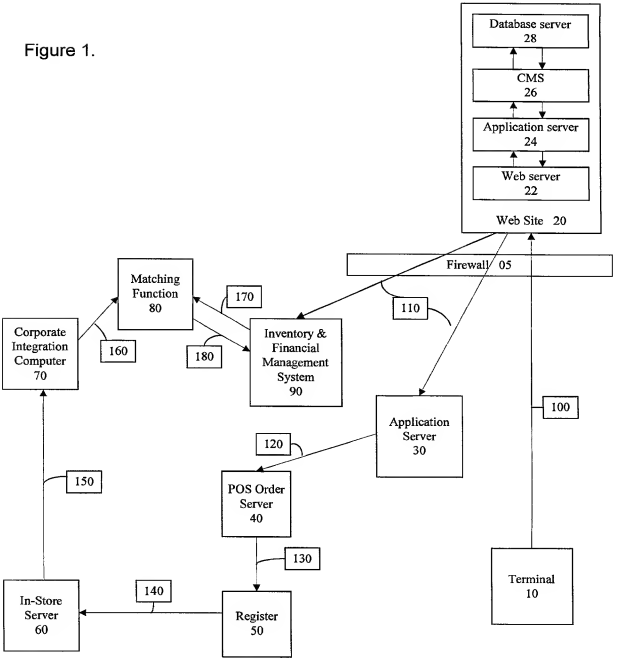
Database server
28
CMS
26
Application server
24
Web server
22
Web Site 20
Firewall 05
Matching
Function
80
170
110
Corporate
Integration
Computer
70
160
180
Inventory &
Financial
Management
System
90
100
Application
Server
30
120
150
POS Order
Server
40
130
Terminal
10
In-Store
Server
60
140
Register
50

Figure 2.

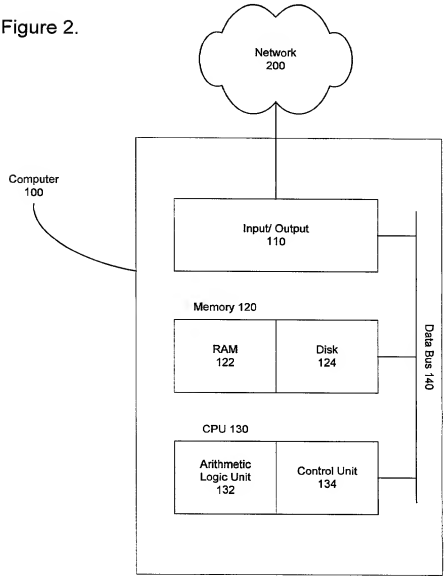

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Figure 3.

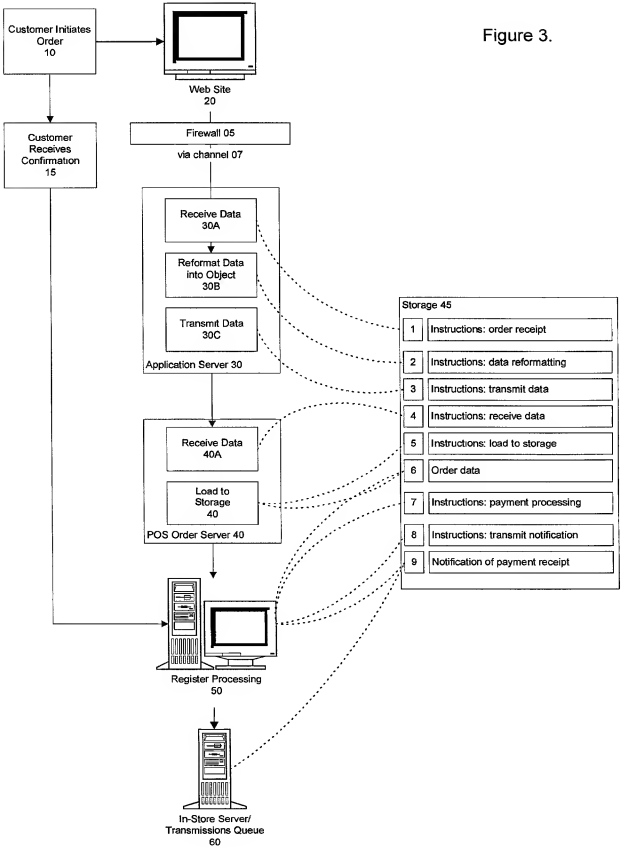

Customer Initiates Order 10
Web Site 20
Customer Receives Confirmation 15
Firewall 05
via channel 07
Receive Data 30A
Reformat Data into Object 30B
Transmit Data 30C
Application Server 30
Receive Data 40A
Load to Storage 40
POS Order Server 40
Storage 45
1 Instructions: order receipt
2 Instructions: data reformatting
3 Instructions: transmit data
4 Instructions: receive data
5 Instructions: load to storage
6 Order data
7 Instructions: payment processing
8 Instructions: transmit notification
9 Notification of payment receipt
Register Processing 50
In-Store Server/ Transmissions Queue 60

Figure 4.

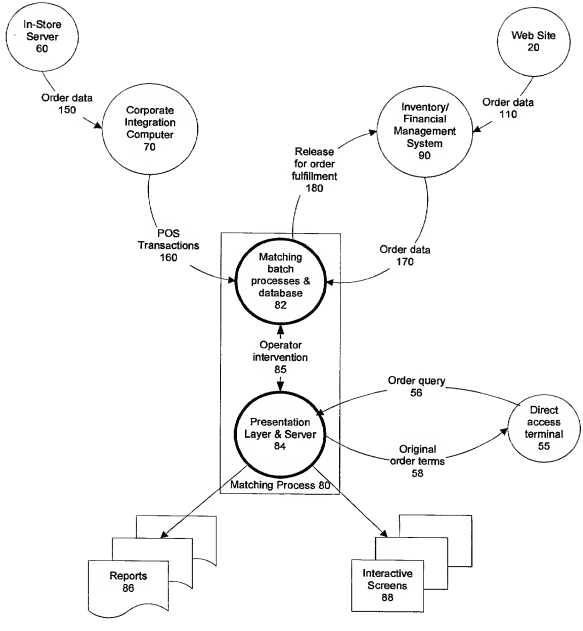
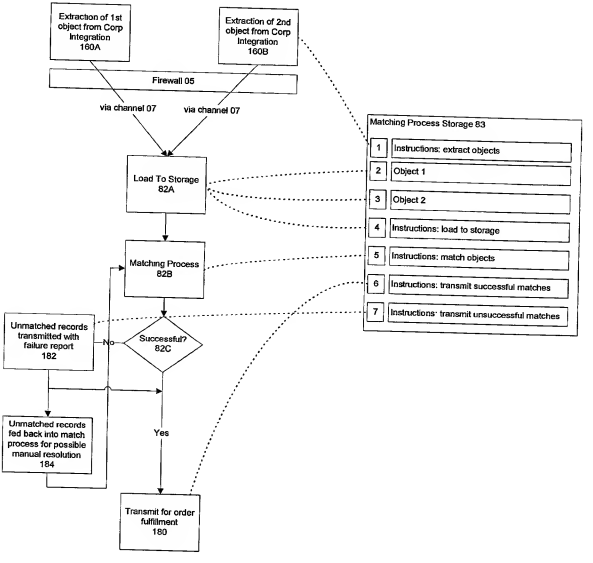

In-Store Server 60
Web Site 20
Order data 150
Corporate Integration Computer 70
Inventory/ Financial Management System 90
Order data 110
Release for order fulfillment 180
POS Transactions 160
Matching batch processes & database 82
Order data 170
Operator intervention 85
Order query 56
Presentation Layer & Server 84
Direct access terminal 55
Original order terms 58
Matching Process 80
Reports 86
Interactive Screens 88

Figure 5.


Extraction of 1st object from Corp Integration 160A
Extraction of 2nd object from Corp Integration 160B
Firewall 05
via channel 07
via channel 07
Load To Storage 82A
Matching Process 82B
Successful? 82C
No
Yes
Unmatched records transmitted with failure report 182
Unmatched records fed back into match process for possible manual resolution 184
Transmit for order fulfillment 180
Matching Process Storage 83
1 Instructions: extract objects
2 Object 1
3 Object 2
4 Instructions: load to storage
5 Instructions: match objects
6 Instructions: transmit successful matches
7 Instructions: transmit unsuccessful matches